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WEDDERBURN, E. M. Temperature Oscillations in Lakes and in the Ocean. *Map. Scot. Geog. Mag.*, Vol. 25, No. 11, pp. 591-7, Edinburgh, 1909.

WERTH, DR. EMIL. Fjorde, Fjärde und Föhrden. Ills. *Zeitsch. für Gletscherkunde*, Vol. 3, No. 5, pp. 346-58, 1909.

GENERAL

BRYAN, G. H. Aviation. *Nature*, Vol. 81, No. 2083, pp. 397-398.

ULE, WILLI. Darwins Bedeutung in der Geographie. *Deutsche Rundschau für Geog. u. Stat.*, No. 10, 1909.

NEW MAPS

NORTH AMERICA

UNITED STATES GEOLOGICAL SURVEY MAPS

UNITED STATES. Map Showing the Distribution of Iron Ores in the United States. 1 inch=110 miles. Prepared by E. C. Harder. Illustrates "The Production of Iron Ores, Pig Iron and Steel in 1908," in "Mineral Resources of the U. S., 1908," U. S. Geol. Surv., Washington, 1909. [Colors to distinguish hematite brown ore, magnetite and iron carbonate. List of districts, variety of ore and active mines are given on margin with numbers corresponding to those on the maps.].

UNITED STATES. Map of the United States Showing Locations of Blast Furnaces in 1908. 1 inch=110 miles. Compiled by W. T. Thom. Based on Swank's Iron and Steel Works Directory for 1908. Illustrates "The Production of Iron Ores, Pig Iron and Steel in 1908" from "Advance Chapter from Mineral Resources of the U. S., 1908." U. S. Geol. Surv., Washington, 1909. [Locations of blast furnaces are shown in red, numbered for lists of districts, locations and number of stacks printed on margin.].

UNITED STATES. . . The following Black and white maps illustrate *Bull* 381—A, "Investigations of Coal Fields in Indiana, North Dakota and Montana by the U. S. Geol. Surv. in 1908." (a) Map of Washburn Lignite Field, N. D. 1 inch=4 miles. By Carl D. Smith. [Shows lignite mines and exposures with list of mines and composite section.] (b) Map of Fort Berthold Indian Reservation Lignite Field, N. D. 1 inch=4 miles. By Carl D. Smith. [Shows lignite outcrops and exposures.] (c) Map of Fort Peck Indian Reservation Lignite Field, Mont. 1 inch=4½ miles. By C. D. Smith, J. A. Davis, E. R. Hopkins and E. L. DeGolyer; (d) Map of southeastern part of Bull Mountain Coal Field, Mont. 1 inch=1 mile. By R. W. Richards. [Shows probable thickness of various beds, with columnar section.] (e) Map of northwestern part of Bull Mountain Coal Field, Mont. 1 inch=1 mile. By R. W. Richards. Detail as on map d; (f) Map of Milk River Coal Field, Mont. 1 inch=3 miles. [Shows rock formations, coal zones, mines and prospects with 23 columnar sections.] (g) Map of Northern Part of Custer National Forest, Mont. 1 inch=4 miles. By Carroll H. Wegemann. [Shows coal outcrops, mines, prospects and stratigraphic sections.]

FLORIDA. Geologic and Topographic Map of Florida. 1:1,000,000=15.78 miles to an inch. Prepared by the U. S. Geol. Surv. in Co-operation with the Florida Geol. Surv. Geology and Topography by G. C. Matson, F. G. Clapp and Samuel Sanford under the direction of T. Wayland Vaughan. With 2nd Annual Report, 1908-9, of the Florida State Geol. Surv. (in pocket), Tallahassee, 1909. [14 colored symbols for geological formations and a section across the peninsula in the latitude of Daytona and Ocala.]

U. S. HYDROGRAPHIC OFFICE CHARTS

Pilot Chart of the North Atlantic Ocean, Jan. and Feb., 1910.

Pilot Chart of the North Pacific Ocean, Feb., 1910.

U. S. WEATHER BUREAU CHARTS

Meteorological Chart of the North Atlantic Ocean, March, 1910.

Meteorological Chart of the South Atlantic Ocean, March, April, May, 1910.

Meteorological Chart of the North Pacific Ocean, March, 1910.

Meteorological Chart of the South Pacific Ocean, March, April, May, 1910.

DEPARTMENT OF AGRICULTURE MAPS

UNITED STATES. Soil Survey Maps of the Modesto-Turlock Area, Cal.; Bienville, East Carroll and West Carroll Parishes, La.; Montgomery Co., N. Y.; Richland Co., N. D.; Parkersburg Area, W. Va. 1:63,360 and 1:62,500. [Each map accompanied by descriptive text.]

NEW YORK. Economical Geology of New York and Part of the Adjoining States. No scale. By Amos Eaton. With paper "One Hundred Years of New York State Geologic Maps 1809-1909," by Henry Leighton. Museum Bull. 133, New York State Museum, Albany, 1909. [A reproduction of the first geologic map of New York State as a unit. It appeared in Eaton's "Text-book" in 1830.]

NEW YORK. Geologic Map of the Port Leyden Quadrangle. 1:62,500=1.9 mile to an inch. Illustrates Bull. 135, New York State Museum, Albany, January, 1910. [14 symbols for geological formations, distribution of stone quarries and three structure section lines across the quadrangle referring to figures on page 38, giving a general idea of the rock formations and their relationships to one another.]

CALIFORNIA. (a). Map of a Portion of the Shasta Co. Copper Belt East of the Sacramento River....showing the principal Mining Properties. (b). Copper Belt of Northern Siskiyou Co.; (c) Green Mountain Group of Mining Claims, Mariposa Co.; (d) Map of the Ubehebe Mining District, Inyo Co.; (e) Map of Mining District in immediate Vicinity of Greenwater, Inyo Co. California State Mining Bureau, Lewis E. Aubury, State Minerologist, San Francisco, 1908. [Black sketch maps showing the copper mines in the areas mapped. Illustrates Bull. 50, "The Copper Resources of California."]

CALIFORNIA. Map of California Showing the Approximate Location of the principal Copper Deposits of the State. 1 inch=21 miles. With Bulletin No. 50, "The Copper Resources of California," California State Mining Bureau, Lewis E. Aubury, State Minerologist, 1908. [The copper locations are shown by red dots.]

CANADA. Carte de la Colonisation dans le Nord-Ouest canadien. 1:7,500,000=1:18.35 miles to an inch. With "Les Ressources naturelles du Nord et du Nord-Ouest canadien" in *Ann. de Géog.*, Vol. 18, Nov. 15, Armand Colin, Paris, 1909. [The detail of botanical limits, cultural features, etc., are finely reproduced on a smaller scale from maps in "Canada's Fertile Northland," the "Atlas of Canada," and the "Railway Map of the Dominion of Canada," published by the Dominion Government.]

CANADA. Topographical Map of Part of the Main Range of the Rocky Mountains adjacent to the Canadian Pacific Railway. 1:80,000=1.2 mile to an inch. From photographic surveys by Arthur O. Wheeler, assisted by M. P. Bridgland and H. G. Wheeler. Contour interval, 250 feet. Department of the Interior, Topographical Surveys Branch, Ottawa, 1903-7. [Illustrates "The Rockies of Canada," by Walter D. Wilcox. Black and white.]

CENTRAL AND SOUTH AMERICA

PERU. Croquis que Indica los Linderos Agrícolas y la Geología de los Valles de Chicama y Santa Catalina. 1 inch=2 miles. With descriptive text. *Bol. del Cuerpo de Ingenieros de Minas del Perú*, No. 71, Lima, 1909. [Agricultural areas in green.]

PERU. Croquis del Valle de Jequetepeque ó Pacasmayo que Destaca el Area de Pampa y el de Valle Cultivados. 1 inch=2 miles. With descriptive text. *Bol. del Cuerpo de Ingenieros de Minas del Perú*, No. 71, Lima, 1909. [Agricultural areas in light, and valley of the Rio Jequetepeque in dark green.]

AFRICA

CENTRAL AND SOUTH AFRICA. 1:5,000,000=79 miles to an inch. 6° N.-36° S. Lat.; 8°-43° E. Long. By J. G. Bartholomew. Insets of East London, Port Elizabeth, Cape Town, Durban, Lourenço Marques and the Mouths of the Zambezi river. The Edinburgh Geographical Institute, Edinburgh, 1910. Paper, 28, cloth, 38. [A new edition of this excellent map giving railroad extensions and other new information. One of the most satisfactory maps of these parts of Africa.]

EAST AFRICA. Die Ostafrikanische Bruchstufe von 1° 40' bis 4° südl. Breite. 1:150,000=2.38 miles to an inch. 2 Sheets. Bearbeitet von Carl Uhlig mit Unterstützung von Max Moisel. 35° 30'-36° 38' E. Long. In *Mitt. aus den Deutsch. Schutzgeb.*, Ergänzungsheft 2, Teil 1: Die Karte, Berlin, 1909. [This fine map gives the geographical results of the survey by Dr. Uhlig of a part of "The Great Rift Valley" of East Africa. His expedition spent 6½ months in 1904 in the survey and four chapters of this supplement are given to a discussion of the construction and contents of the map. It is in 3 colors: yellow for contours (interval about 100 feet), blue for hydrography and black for nomenclature. It was produced at the cartographic establishment of D. Reimer (E. Vohsen), Berlin. The map and the accompanying letterpress are particularly fine examples of geographical work. Dr. Uhlig has used on the map, not only his own results, but also those of other observers in the same field.]

SAHARA. Croquis du haut Guir. 1:1,000,000=15.78 miles to an inch. No map net. With "Le Haut Guir," By Général Bernard in *Bull. Soc. de Géog. d'Alger et de l'Afrique du Nord*, Vol. 14, No. 2, Algiers, 1909. [Sketch map

of the hitherto unknown region to the west of Colomb Béchar, drawn during the campaign of a French military force in 1908.]

SPANISH GUINEA. Itinéraires de la Mission Cottés à travers la Guinée Espagnole. 1:1,600,000=25.2 miles to an inch. With paper "La Guinée espagnole" in *Ann. de Géog.*, Vol. 18, Nov. 15, Armand Colin, Paris, 1909. [A black sketch map.]

UGANDA. Schema Geologico del Gruppo Centrale del Ruwenzori. 1:40,000=0.6 mile to an inch. By A. Roccati. Il Ruwenzori (Parte scientifica, Vol. 2). Ulrico Hoepli Milan, 1909. [Shows the geological results of the Duke of the Abruzzi's expedition, June-July, 1906, in the central group of Ruwenzori. Nine colors to show geological formations.]

UGANDA. Carta Geognostica della Zona dell'Uganda. 2,100,000=33.1 miles to an inch. Il Ruwenzori (Parte scientifica, Vol. 2). Ulrico Hoepli, Milan, 1909. [6 colors show the geological formations along the route of the Duke of Abruzzi's expedition from Entebbe, the British capital of Uganda, to the summit of the Ruwenzori range.]

ASIA

CELEBES. Schetskaart van Tapalang. 1:100,000=1.5 mile to an inch. Illustrates paper "Medeelingen, Betreffende Eenige Mandharsche Landschappen." *Bijdragen tot de Taal-, Land-en Volkenkunde van Nederlandsch-Indië*, Vol. 7, Part 8, 1909. [A black and white map showing topography, footpaths, etc.]

FORMOSA. No scale. With "De Rietsuiker-industrie in de verschillende landen van productie. In *De Indische Mercur*, Vol 33, No. 1 Amsterdam, 1910. [Black sketch map showing boundaries of prefectures, railroads, area in sugar and the mountain lands of the east.]

INDIA. Volksdichte im Nordwestlichen Indien. 1:3,000,000=47.34 miles to an inch. By H. Heins. With paper of same title and author in *Pet. Mitt.* Vol. 55, No. 7, Justus Perthes, Gotha, 1909. [Based on the Indian Census of 1901.]

TIBET. Dr. Erich Zugmayers Reiseweg in Nordwest-Tibet, Juni bis Sept., 1906. 1:1,000,000=15.78 miles to an inch. From his own surveys. With "Bericht über eine Reise in Westtibet," by Dr. Zugmayer. *Pet. Mitt.* Vol. 55, No. 7, Justus Perthes, Gotha, 1909.

AUSTRALASIA AND POLYNESIA

PONAPE. Karte der Insel Ponape. 1:100,000=1.5 mile to an inch. Von M. Moisel. In *Mitt. aus den Deutsch. Schutzgeb.*, Vol. 22, No. 3. Dietrich Reimer (Ernst Vohsen), Berlin, 1909. [The map is based upon the German Admiralty Chart No. 116 and the surveys of Vice-Gov. Berg, 1902-6. It shows the government reservation, political partitions, land forms in brown and has large nomenclature and many heights in meters.]

EUROPE

AUSTRIA-HUNGARY. Eiszeitkarte der Liptauer Alpen. 1:100,000=1.5 mile to an inch. By Dr. Roman Lucerna. No map net. Illustrates "Glazialgeologische Untersuchung der Liptauer Alpen" in *Sitzungsbericht der k. Akad. der Wissenschaften*, Vol. 117, No. 7, Part 1, Vienna, 1908. [Shows in colors the results of Dr. Lucerna's study of forms of glaciation among these mountains.]

AUSTRIA-HUNGARY. Karte der politischen Bezirke Melk und Scheibbs. 1:200,000=3.1 miles to an inch. $47^{\circ} 40' - 48^{\circ} 20' N.$; $14^{\circ} 50' - 15^{\circ} 45' E.$ Freytag & Berndt, Vienna, 1909. [Light and shade and contours of elevation are used to give a clear picture of the relief forms. The same idea is employed on the large school map of Switzerland, published by the Federal Government. Contour interval, 50 meters. The sheet is a reduction of the large school wall map of this region issued by the same publishers.]

AUSTRIA-HUNGARY. (a) Karte der Österreichischen Alpenländer. 1:1,500,000=23.67 miles to an inch; (b) Karte des Erzherzogtums Österreich unter der Enns. 1:600,000=9.4 miles to an inch; (c) Karte der Umgebung von Klagenfurt. 1:150,000=2.38 miles to an inch. G. Freytag & Berndt, Vienna, 1909. [Specimens of superior school hand maps in which light, shade, colors and hachures are used to show relief forms. Many elevations are given in meters.]

CENTRAL EUROPE. Vergleichende ethno-geographische Karte der Deutschen in Mitteleuropa. 1:2,500,000=39.4 miles to an inch. By Dr. Willi Pessler. With paper "Deutsche Ethno-Geographie und ihre Ergebnisse." By Dr. Pessler. *Deutsche Erde*, Vol. 8, No. 8, Gotha, 1909. [Distinguishes between the low, middle and high Germans, according to speech and types of dwellings.]

FRANCE. Carte des Gisements de Coquilles comestibles des Iles de Glénan et de leurs Environs. Dressés par J. Guérin-Ganivet. ca. 1:14,400. Illustrates *Bull.* 154, Institut Océanographique, Monaco, 1909. [Shows the state of these fishing grounds in August, 1908.]

FRANCE. Carte des Gisements de Coquilles de la Côte du Morbihan comprise entre la rivière d'Étel et la Baie de Kerguelen. Dressée par J. Guérin-Ganivet. ca. 1:23,500. Illustrates *Bull.* 155, Institut Océanographique, Monaco, 1909. [Shows the state of these fishing grounds in August, 1908.]

GERMANY. Karte zur Siedlungsgeographie des Vogelsbergs. 1:100,000=1.5 mile to an inch. By Walter Diemer. *Geog. Mitt. aus Hessen*, Heft V, Giessen, 1909. [Illustrates "Die Besiedelung des Vogelsbergs," by Mr. Diemer. Six colors for elevations. The methods of expressing social and economic data are worthy of examination. The paper is also accompanied by a map with hydrography in blue, in 1:280,000, showing the distribution of settlements without names.]

GERMANY. Der Selenter-See in Ostholstein. 1:50,000=0.7 mile to an inch. No map net. With "Der Selentersee in Ostholstein." By Prof. Dr. W. Halbfass. *Globus*, Vol. 96, No. 23, 1909. [A black sketch map with contours of the lake depths.]

OCEANS

PACIFIC AND INDIAN OCEANS. Wärmeverteilung in den Tiefen des Stillen Ozeans 1:60,000,000=946.9 statute miles to an inch. 12 colored Maps. With paper "Die Wärmeverteilung in den Tiefen des Stillen Ozeans," by Prof. Dr. Gerhard Schott and Fritz Schu. *Annal. d. Hydrog. u. Maritim. Met.*, Vol. 38, No. 1, 1910. [These maps, on an equal area projection, give the temperatures of the Pacific waters at the surface and at depths of 100, 200, 400, 600, 800, 1,000, 1,500, 2,000, 3,000, 4,000 meters; and Chart 12 gives the temperatures recorded at the sea bottom at depths of more than 1,000 meters. The paper is also accompanied by diagrams showing vertical distribution of temperatures in the Pacific and 6 black and white charts on one plate showing temperatures

in the Indian Ocean at depths of 100 to 1,000 meters. The observation material procured by scientific expeditions of a number of nations, and especially those of England, the United States and Germany, have been used in the compilation of these important maps which illustrate the present state of our knowledge of the temperature conditions of the Pacific and Indian Oceans.

OTHER ACCESSIONS

NORTH AMERICA

ALCOVER, ANTONIO MIGUEL. *La Villa de Sagua la Grande*. (Republica de Cuba), etc. [Illustrated.] Habana, Imp. de Cuba y America. 1909. 8vo. pr.

AMES, AZEL. *The May-Flower and Her Log*. July 15, 1620-May 6, 1621. Chiefly from Original Sources. (Maps, etc.) Boston, Houghton, Mifflin & Co. 1901. 8vo.

BLACKMAR, FRANK W. *Spanish Institutions of the Southwest*. (Map, etc.) Baltimore, Johns Hopkins Press. 1891. 8vo.

BRUNNER, D. B. *The Indians of Berks County, Pa.*, being a Summary of all the tangible records of the Aborigines of Berks County, etc. 2nd & Revised Edition. (Illustrated.) Reading, Pa., Eagle Book Print. 1897. 8vo.

DAWSON, GEORGE MERCER. *Report on the Geology and Resources of the Region in the Vicinity of the Forty-ninth Parallel, from the Lake of the Woods to the Rocky Mountains, etc., etc.* *British North American Boundary Commission*. [Maps, etc.] Montreal, Dawson Bros. 1875. 8vo. pr.

DUNLOP, ROBERT GLASGOW. *Travels in Central America, being a Journal of nearly Three Years' Residence in the Country, etc.* [Maps.] London, Longmans, Brown, Green, & Longmans. 1847. 12mo.

FRANCIS, C. S. *Francis's New Guide to the Cities of New-York and Brooklyn, and the Vicinity, etc.* Maps, etc. [One plan only.] New-York, C. S. Francis & Co. 1857. 16mo.

GILLIAM, ALBERT M. *Travels over the Table Lands and Cordilleras of Mexico, During the Years 1843 and 44; including a Description of California, ...and the Biographies of Iturbide and Santa Anna*. Maps, etc. Philadelphia, John W. Moore. 1846. 8vo.

HALL, MAXIMO SOTO. *Un Vistazo sobre Costa Rica en el Siglo XIX*. 1800-1900. San José, Tipografia Nacional. 1901. 12mo, pr. *Gift*.

HALL, MAX. SOTO. *De México á Honduras*. (El viaje de Hernán Cortés.) San José, Tip. Nacional. 1900. 12mo, pr.

HAMMOND, S. H. *Hills, Lakes, and Forest Streams: or, A Tramp in the Chateaugay Woods*. [Illustrated.] New York, J. C. Derby. 1854. 12mo.

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INGERSOLL, ERNEST. *Rand, McNally & Co.'s Illustrated Guide to the Hudson River and Catskill Mountains*. (Maps, etc.) Chicago. 1893. pr. 8vo. *Gift*.

KINNICUTT, LINCOLN NEWTON. *Indian Names of Places in Plymouth, Middleborough, Lakeville and Carver*. Plymouth County, Massachusetts. With Interpretations of Some of Them. Worcester, Mass. 1909. 8vo. *Gift*.